

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|------------------|
| S1 | 2 | vitreous near5 vitroc ceramic near5 transparent near5 infrared | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/10 09:09 |
| S2 | 6 | ((("5389584") or ("4835121") or ("20020022564"))).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2007/04/25 08:28 |
| S3 | 50 | (US-20060223688-\$).did. or (US-6423467-\$ or US-4044173-\$ or US-6310220-\$ or US-6465507-\$ or US-6475753-\$ or US-4535124-\$ or US-4879324-\$ or US-4945964-\$ or US-5019624-\$ or US-5187231-\$ or US-5244976-\$ or US-5320785-\$ or US-5384369-\$ or US-5434207-\$ or US-5583181-\$ or US-5591410-\$ or US-5612425-\$ or US-5744569-\$ or US-5840791-\$ or US-5955458-\$ or US-5977053-\$ or US-5994471-\$ or US-6046294-\$ or US-6156832-\$ or US-6251969-\$ or US-6258874-\$). did. or (US-6262176-\$ or US-6264839-\$ or US-6265636-\$ or US-6268418-\$ or US-6268423-\$ or US-6274546-\$ or US-6277386-\$ or US-6281375-\$ or US-6284830-\$ or US-6291573-\$ or US-6297314-\$ or US-6299936-\$ or US-6313085-\$ or US-6329359-\$ or US-6329448-\$ or US-6336942-\$ or US-6340664-\$ or US-6342472-\$ or US-6344548-\$ or US-6348530-\$ or US-6348557-\$ or US-6362192-\$ or US-6362261-\$). did. | US-PGPUB; USPAT | OR | ON | 2007/04/25 11:30 |
| S4 | 1 | S3 and vitroc ceramic | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/25 11:30 |
| S5 | 7 | S3 and infrared | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/25 11:31 |

EAST Search History

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|-----|------|---|---|----|----|------------------|
| S6 | 355 | 501/40.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/25 11:31 |
| S7 | 451 | 501/37.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/25 11:31 |
| S8 | 351 | 501/904.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/25 11:31 |
| S9 | 955 | S6 S7 S8 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/25 11:31 |
| S10 | 242 | 501/42.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/25 14:01 |
| S11 | 530 | 501/104.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/25 11:37 |
| S12 | 1671 | S9 S10 S11 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/25 11:34 |
| S13 | 240 | 501/140.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/25 11:37 |
| S14 | 1379 | S9 S10 S13 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/25 11:37 |
| S15 | 56 | S14 and (gallium or "Ga") and (germanium or "Ge") and (arsenic or "As") and (sulfur or "S") and (antimony or Sb) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/25 11:48 |

EAST Search History

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|-----|------|---|---|----|----|------------------|
| S16 | 10 | ("20030104918" "20040079114" "20050274145" "4481023" "4734118" "4747864" "4897101" "4929265" "6756333" "6984598").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/04/27 13:13 |
| S17 | 5 | S16 and (halide or halogen or iodine or chlorine or fluorine or iodide or chloride or fluoride) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/25 12:50 |
| S18 | 186 | 501/43.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/25 14:01 |
| S19 | 1077 | 501/32.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/25 14:01 |
| S20 | 2141 | S6 S7 S10 S18 S19 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/25 14:02 |
| S21 | 16 | S20 and ((chalcogenide or non-oxide or nonoxide) same selenide same sulfide) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/25 14:11 |
| S22 | 32 | S20 and ((chalcogenide or non-oxide or nonoxide) same (halogen or "Br" or "I" or "Cl")) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/25 14:20 |
| S23 | 7 | S21 not S22 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/25 14:13 |
| S24 | 23 | S22 not S21 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/25 14:13 |

EAST Search History

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| S25 | 88 | (chalcogenide or non-oxide or nonoxide) same (halogen or "Br" or "I" or "Cl") same (germanium or "Ge") same (selenium or selenide or "Se") same (arsenic or "As") same (antimony or "Sb") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/25 14:22 |
| S26 | 74 | (chalcogenide or non-oxide or nonoxide) same (halogen or "Br" or "I" or "Cl") same (germanium or "Ge") same (selenium or selenide or "Se") same (arsenic or "As") same (antimony or "Sb") | US-PGPUB; USPAT; USOCR | OR | ON | 2007/04/25 14:50 |
| S27 | 143 | sanghera.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/25 14:51 |
| S28 | 9 | aggrawal.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/25 14:52 |
| S29 | 45 | bayya.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/25 14:52 |
| S30 | 33 | sanghera-jasbinder-\$.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/25 14:51 |
| S31 | 10 | bayya-shyam-\$.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/25 14:52 |
| S32 | 0 | aggrawal-ishwar-\$.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/25 14:52 |
| S33 | 325 | villalobos.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/25 14:52 |

EAST Search History

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|-----|-------|---|---|----|-----|------------------|
| S34 | 488 | S27 S28 S29 S33 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/25 14:52 |
| S35 | 60 | S34 and (chalcogenide or nonoxide or non-oxide) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/25 14:54 |
| S36 | 39 | S34 and (chalcogenide or nonoxide or non-oxide) same infrared | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/25 14:54 |
| S37 | 39 | S34 and (chalcogenide or nonoxide or non-oxide) same infrared | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/25 15:53 |
| S38 | 2 | ("20040079114").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2007/04/25 15:53 |
| S39 | 2 | S38 and crystal\$5 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/25 16:02 |
| S40 | 43 | infrared with wavelenght | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/25 16:02 |
| S41 | 55769 | infrared with wavelength | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/25 16:02 |
| S42 | 4590 | (infrared with wavelength) same glass | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/25 16:02 |
| S43 | 107 | (infrared with wavelength) same (chalcogenide with glass) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/25 16:03 |

EAST Search History

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|-----|------|---|---|----|-----|------------------|
| S44 | 3 | (infrared with wavelength with ("nm" or "um")) same (chalcogenide with glass) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/25 16:06 |
| S45 | 2308 | (infrared with wavelength with ("700 nm" or "750 nm")) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/25 16:06 |
| S46 | 121 | (infrared with wavelength with ("700 nm" or "750 nm")) same glass | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/25 16:06 |
| S47 | 2 | ("7143609").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2007/04/26 10:32 |
| S48 | 28 | ("3961929" "4388097" "4481023" "4734118" "4854958" "4921519" "4969944" "5026415" "5076980" "5108477" "5276538" "5284501" "5346523" "5623368" "5744409" "5852516" "5876642" "5910256" "5938807" "6003336" "6003338" "6105395" "6119485" "6151915" "6151917" "6178281" "6230520" "6784128").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/04/27 11:23 |
| S49 | 1 | EP-1034145-\$.did. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/27 11:19 |
| S50 | 2 | ("5389584").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2007/04/27 11:20 |
| S51 | 0 | S50 and ("CsX" or "CsI" or "CsF" or "CsBe" or "CsCl") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/27 11:21 |

EAST Search History

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|-----|-----|--|---|----|-----|------------------|
| S52 | 2 | S50 and (halide or halogen) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/27 11:21 |
| S53 | 28 | ("3961929" "4388097" "4481023" "4734118" "4854958" "4921519" "4969944" "5026415" "5076980" "5108477" "5276538" "5284501" "5346523" "5623368" "5744409" "5852516" "5876642" "5910256" "5938807" "6003336" "6003338" "6105395" "6119485" "6151915" "6151917" "6178281" "6230520" "6784128").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/04/27 11:23 |
| S54 | 18 | S53 and crystal\$5 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/27 12:53 |
| S55 | 395 | (vitroceramic or glassceramic or (glass adj ceramic)) with infrared | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/27 12:56 |
| S56 | 5 | (vitroceramic or glassceramic or (glass adj ceramic)) with infrared with ((particle adj size) or size) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/27 12:57 |
| S57 | 0 | (vitroceramic or glassceramic or (glass adj ceramic)) with infrared with (crystal near ((particle adj size) or size)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/27 12:57 |
| S58 | 2 | ("5392376").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2007/04/27 13:14 |
| S59 | 22 | ("4188089" "4612294" "4704371" "4942144" "5240885").PN. OR ("5392376").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/04/27 14:33 |
| S60 | 21 | S59 and (cesium or "Cs" or "CsX" or "CsI" or "CsBr" or "CsCl" or "CsF") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/27 14:36 |

EAST Search History

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|-----|------|---|---|----|----|------------------|
| S61 | 365 | (cesium or "Cs" or "CsX" or "CsI" or "CsBr" or "CsCl" or "CsF") with ("Sb" or antimony) same (chalcogenide or non-oxide or nonoxide or vitroceramic or (vitro near ceramic) or (milky near glass) or (glass near ceramic)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/27 14:38 |
| S62 | 365 | (cesium or "Cs" or "CsX" or "CsI" or "CsBr" or "CsCl" or "CsF") with ("Sb" or antimony) same (chalcogenide or non-oxide or nonoxide or vitroceramic or (vitro near ceramic) or (milky near glass) or (glass near ceramic)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/27 14:39 |
| S63 | 13 | (cesium or "Cs" or "CsX" or "CsI" or "CsBr" or "CsCl" or "CsF") with ("Sb" or antimony) with sulfur with germanium same (chalcogenide or non-oxide or nonoxide or vitroceramic or (vitro near ceramic) or (milky near glass) or (glass near ceramic)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/27 15:03 |
| S64 | 5 | infrared with optics with (vitroceramics or (vitro near ceramics) or (glass near ceramics) or (milky near ceramics)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/27 15:04 |
| S65 | 1671 | (crystal or microcrystal or microcrystalline or crystalline) same (citroceramic or (glass near ceramic) or (milky near glass)) | JPO; DERWENT | OR | ON | 2007/04/30 07:58 |
| S66 | 114 | (crystal or microcrystal or microcrystalline or crystalline) same (citroceramic or (glass near ceramic) or (milky near glass)) same size | JPO; DERWENT | OR | ON | 2007/04/30 07:58 |
| S67 | 1 | (crystal or microcrystal or microcrystalline or crystalline) same (citroceramic or (glass near ceramic) or (milky near glass)) same size same infrared | JPO; DERWENT | OR | ON | 2007/04/30 07:57 |
| S68 | 1 | (crystal or microcrystal or microcrystalline or crystalline) with size same (citroceramic or (glass near ceramic) or (milky near glass)) same infrared | JPO; DERWENT | OR | ON | 2007/04/30 07:58 |
| S69 | 1677 | (crystal or microcrystal or microcrystalline or crystalline) same (vitroceramic or (glass near ceramic) or (milky near glass)) | JPO; DERWENT | OR | ON | 2007/04/30 07:58 |

EAST Search History

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| S70 | 114 | (crystal or microcrystal or microcrystalline or crystalline) same (vitroceramic or (glass near ceramic) or (milky near glass)) same size | JPO; DERWENT | OR | ON | 2007/04/30 07:58 |
| S71 | 114 | (crystal or microcrystal or microcrystalline or crystalline) same (vitroceramic or (glass near ceramic) or (milky near glass) or (vitro near ceramic)) same size | JPO; DERWENT | OR | ON | 2007/04/30 07:59 |
| S72 | 1 | (crystal or microcrystal or microcrystalline or crystalline) with size same (vitroceramic or (glass near ceramic) or (milky near glass) or (vitro near ceramic)) same infrared | JPO; DERWENT | OR | ON | 2007/04/30 07:59 |
| S73 | 94 | (crystal or microcrystal or microcrystalline or crystalline) with size same (vitroceramic or (glass near ceramic) or (milky near glass) or (vitro near ceramic)) | JPO; DERWENT | OR | ON | 2007/04/30 08:43 |
| S74 | 0 | (crystal or microcrystal or microcrystalline or crystalline) with size same (vitroceramic or (glass near ceramic) or (milky near glass) or (vitro near ceramic)) and (chalcogenide or non-oxide or (non near oxide)) | JPO; DERWENT | OR | ON | 2007/04/30 08:44 |
| S75 | 355 | 501/40.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/30 14:31 |
| S76 | 26 | S75 and (cesium or (cesium near iodide) or (cesium near bromide) or (cesium near fluoride) or (cesium near chloride) or (cesium near halide) or "CsX" or "CsI" or "CsBr" or "CsCl" or "CsF") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/04/30 14:33 |
| S77 | 2 | ("5867515").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2007/09/27 10:25 |

EAST Search History

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|-----|--------|--|---|----|-----|------------------|
| S78 | 623796 | "NaI" or "NaCl" or "NaBr" or (sodium near iodide) or (sodium near bromide) or (sodium near chloride) or "KI" or "KCl" or "KBr" or (potassium near iodide) or (potassium near chloride) or (potassium near bromide) or "ZnI" or "ZnCl" or "ZnBr" or (zinc near iodide) or (zinc near chloride) or (zinc near bromide) or "CsI" or "CsCl" or "CsBr" or (cesium near iodide) or (cesium near chloride) or (cesium near bromide) or "RbI" or "RbCl" or "RbBr" or (rubidium near iodide) or (rubidium near chloride) or (rubidium near bromide) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/09/27 14:04 |
| S79 | 36 | S78 same (chalcogenide near5 glass) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/09/27 11:13 |
| S80 | 9394 | S78 with glass | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/09/27 11:13 |
| S81 | 3 | S78 with glass same ("gallium" or "Ga") same ("germanium" or "Ge") same ("arsenic" or "As") same ("antimony" or "Sb") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/09/27 11:15 |
| S82 | 2 | S78 with glass same ("gallium" or "Ga") same ("germanium" or "Ge") same ("arsenic" or "As") same ("antimony" or "Sb") same (sulphur or sulfur or "S") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/09/27 11:32 |
| S83 | 2 | ("5346865").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2007/09/27 11:32 |
| S84 | 0 | S83 and chalconegide | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/09/27 11:32 |
| S85 | 2 | S83 and ("KCl" or "NaCl") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/09/27 11:33 |

EAST Search History

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| S86 | 0 | S83 and ("KCl" or "NaCl") and (germanium or "Ge") and (gallium or "Ga") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/09/27 11:34 |
| S87 | 0 | S83 and ("KCl" or "NaCl") and (gallium or "Ga") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/09/27 11:34 |
| S88 | 0 | S83 and ("KCl" or "NaCl") and (germanium or "Ge") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/09/27 11:34 |
| S89 | 2 | ("7143609").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2007/09/27 11:34 |
| S90 | 28 | ("3961929" "4388097" "4481023" "4734118" "4854958" "4921519" "4969944" "5026415" "5076980" "5108477" "5276538" "5284501" "5346523" "5623368" "5744409" "5852516" "5876642" "5910256" "5938807" "6003336" "6003338" "6105395" "6119485" "6151915" "6151917" "6178281" "6230520" "6784128").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/09/27 11:45 |
| S91 | 1 | S90 and ("NaI" or "NaCl" or "NaBr" or (sodium near iodide) or (sodium near bromide) or (sodium near chloride) or "KI" or "KCl" or "KBr" or (potassium near iodide) or (potassium near chloride) or (potassium near bromide) or "ZnI" or "ZnCl" or "ZnBr" or (zinc near iodide) or (zinc near chloride) or (zinc near bromide) or "CsI" or "CsCl" or "CsBr" or (cesium near iodide) or (cesium near chloride) or (cesium near bromide) or "RbI" or "RbCl" or "RbBr" or (rubidium near iodide) or (rubidium near chloride) or (rubidium near bromide)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/09/27 11:48 |

EAST Search History

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|-----|-------|---|---|----|----|------------------|
| S92 | 34521 | ("NaI" or "NaCl" or "NaBr" or (sodium near iodide) or (sodium near bromide) or (sodium near chloride) or "KI" or "KCl" or "KBr" or (potassium near iodide) or (potassium near chloride) or (potassium near bromide) or "ZnI" or "ZnCl" or "ZnBr" or (zinc near iodide) or (zinc near chloride) or (zinc near bromide) or "CsI" or "CsCl" or "CsBr" or (cesium near iodide) or (cesium near chloride) or (cesium near bromide) or "RbI" or "RbCl" or "RbBr" or (rubidium near iodide) or (rubidium near chloride) or (rubidium near bromide)) same (sulfur or sulphur or "S" or selenium or "Se") same (antimony or "Sb" or "As" or arsenic) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/09/27 14:19 |
| S93 | 355 | 501/40.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/09/27 14:07 |
| S94 | 6 | S93 and S92 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/09/27 14:07 |
| S95 | 4 | S94 and (germanium or (germanium near (sulfide or sulphide)) or "Ge" or "GeS") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/09/27 14:08 |

EAST Search History

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|----------|--------|---|---|----|-----|------------------|
| S96 | 118646 | ("NaI" or "NaCl" or "NaBr" or (sodium near iodide) or (sodium near bromide) or (sodium near chloride) or "KI" or "KCl" or "KBr" or (potassium near iodide) or (potassium near chloride) or (potassium near bromide) or "ZnI" or "ZnCl" or "ZnBr" or (zinc near iodide) or (zinc near chloride) or (zinc near bromide) or "CsI" or "CsCl" or "CsBr" or (cesium near iodide) or (cesium near chloride) or (cesium near bromide) or "RbI" or "RbCl" or "RbBr" or (rubidium near iodide) or (rubidium near chloride) or (rubidium near bromide) or sodium or potassium or rubidium or cesium or chlorine or bromine or iodine) same (sulfur or sulphur or "S" or selenium or "Se") same (antimony or "Sb" or "As" or arsenic) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/09/27 14:20 |
| S97 | 269 | S93 and (Rb or rubidium or Cs or cesium or sodium or Na or K or potassium or zinc or Zn) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/09/27 14:22 |
| S98 | 172 | S97 and (chlorine or bromine or iodine or Cl or Br or I) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/09/27 14:23 |
| S99 | 65 | S98 and (germanium or (germanium near (sulfide or sulphide)) or "GeS. sub.2" or GeS2 or GeSe2 or "GeSe. sub.2" or GeSe) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/09/27 14:26 |
| S10 0 | 2 | ("7143609").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2007/10/10 09:09 |
| S10 1 | 0 | S100 and mol | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/10 09:09 |
| S10 2 | 1 | S100 and mole | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/10 11:27 |

EAST Search History

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| S10 3 | 2 | ("7143609").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2007/10/10 11:27 |
| S10 4 | 2 | S103 and (infrared or wavelength) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/10 11:37 |
| S10 5 | 2 | S103 and crystal | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/10 11:37 |
| S10 6 | 2 | S103 and crystal\$5 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/10 11:37 |
| S10 7 | 0 | S103 and (non near crystal\$5) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/10 13:58 |
| S10 8 | 4 | ("4308171").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2007/10/10 14:40 |
| S10 9 | 355 | 501/40.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/10 14:40 |
| S11 0 | 243 | 501/42.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/10 14:40 |
| S11 1 | 186 | 501/43.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/10 14:40 |
| S11 2 | 738 | S109 S110 S111 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/10 14:40 |

EAST Search History

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| S11 3 | 293 | S112 and (crystal or crystalline or crystaliz\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/10 14:41 |
| S11 4 | 49 | S112 and (crystal or crystalline or crystaliz\$4) and chalcogenide | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/10 14:41 |
| S11 5 | 35 | S114 and (germanium or "Ge") and (arsenic or "As" or antimony or "Sb") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/10 14:43 |
| S11 6 | 19 | S115 and (halide or halogen) and ("Na" or "Li" or "Cs" or "K" or lithium or potassium or cesium or sodium) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/10 15:01 |
| S11 7 | 6 | ((("6128429") or ("7143609") or ("5389584"))).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2007/10/10 14:51 |
| S11 8 | 0 | S117 and (crystalized or crystalize or crystalizing) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/10 14:51 |
| S11 9 | 2 | S117 and (crystalline or crystal) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/10 14:52 |
| S12 0 | 14 | (vitroceramic or vitrous) same heat same (crystal or crystalize or crystalized or crystalline) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/10 15:14 |
| S12 1 | 2 | S120 and S112 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/10 15:02 |
| S12 2 | 320 | chalcogenide same heat same (crystal or crystalize or crystalized or crystalline) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/10 15:05 |

EAST Search History

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| S12 3 | 2 | S112 and S122 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/10 15:05 |
| S12 4 | 2 | S117 and heat | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/10 15:14 |
| S12 5 | 4 | S117 and heat\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/10 15:42 |
| S12 6 | 2 | ("5246889").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2007/10/10 15:42 |
| S12 7 | 1 | S126 and crystal same size | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/10 16:06 |
| S12 8 | 142 | 501/3.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/10 16:18 |
| S12 9 | 435 | 501/10.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/10 16:07 |
| S13 0 | 4 | ("3820968").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2007/10/10 16:09 |
| S13 1 | 5 | ("3820968").URPN. | USPAT | OR | ON | 2007/10/10 16:13 |
| S13 2 | 0 | S131 and (crystal or size) | USPAT | OR | ON | 2007/10/10 16:13 |
| S13 3 | 2 | S131 and (crystal or size or crystalline or crystalize or crystallize) | USPAT | OR | ON | 2007/10/10 16:13 |

EAST Search History

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| S13 4 | 50 | (US-20060223688-\$).did. or (US-6258874-\$ or US-6251969-\$ or US-5840791-\$ or US-5744569-\$ or US-5612425-\$ or US-6475753-\$ or US-6423467-\$ or US-6348557-\$ or US-6340664-\$ or US-6313085-\$ or US-6291573-\$ or US-6284830-\$ or US-6281375-\$ or US-5977053-\$ or US-5955458-\$ or US-5591410-\$ or US-5187231-\$ or US-5019624-\$ or US-4945964-\$ or US-6362261-\$ or US-6348530-\$ or US-6336942-\$ or US-6299936-\$ or US-6297314-\$ or US-6274546-\$ or US-6268423-\$). did. or (US-6264839-\$ or US-6262176-\$ or US-5320785-\$ or US-5244976-\$ or US-6465507-\$ or US-6362192-\$ or US-6344548-\$ or US-6342472-\$ or US-6329448-\$ or US-6329359-\$ or US-6310220-\$ or US-6277386-\$ or US-6156832-\$ or US-6046294-\$ or US-5434207-\$ or US-5384369-\$ or US-4535124-\$ or US-4044173-\$ or US-6268418-\$ or US-6265636-\$ or US-5994471-\$ or US-5583181-\$ or US-4879324-\$). did. | US-PGPUB; USPAT | OR | ON | 2007/10/12 09:58 |
| S13 5 | 2 | S134 and ((crystalliz\$4 or crystal) with size) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/12 10:00 |
| S13 6 | 355 | 501/40.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/12 10:01 |
| S13 7 | 243 | 501/42.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/12 10:01 |
| S13 8 | 186 | 501/43.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/12 10:01 |
| S13 9 | 738 | S136 S137 S138 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/12 10:01 |

EAST Search History

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| S14 0 | 142 | 501/3.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/12 10:01 |
| S14 1 | 435 | 501/10.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/12 10:01 |
| S14 2 | 1251 | S139 S140 S141 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/12 11:28 |
| S14 3 | 355 | 501/40.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/12 11:28 |
| S14 4 | 243 | 501/42.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/12 11:28 |
| S14 5 | 186 | 501/43.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/12 11:28 |
| S14 6 | 738 | S143 S144 S145 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/12 11:28 |
| S14 7 | 142 | 501/3.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/12 11:28 |
| S14 8 | 435 | 501/10.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/12 11:28 |
| S14 9 | 1251 | S146 S147 S148 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/12 11:28 |

EAST Search History

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| S15 0 | 210 | S149 and (crystal\$4 near10 size) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/12 11:29 |
| S15 1 | 200 | S149 and (crystal\$4 near10 size) and glass | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/12 11:29 |
| S15 2 | 105 | S149 and (crystal\$4 near10 size) with glass | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/12 11:41 |
| S15 3 | 0 | S149 and (crystal\$4 near10 size) with glass same chalcogenide | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/12 11:29 |
| S15 4 | 0 | S149 and (crystal\$4 near10 size) with glass same chalco\$10 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/12 11:29 |
| S15 5 | 8 | S149 and (crystal\$4 near10 size) with glass same (vitreous or vitroceramic) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/12 11:30 |
| S15 6 | 9 | S149 and ((crystal\$4 near10 size) with glass) not ("SiO.sub.2" or SiO2 or (silion near (oxide or dioxide))) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/12 11:56 |
| S15 7 | 6 | ((("7143609") or ("5389584") or ("6128429")).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2007/10/12 11:57 |
| S15 9 | 6 | ((("7143609") or ("5389584") or ("6128429")).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2007/10/12 12:01 |
| S16 0 | 1 | S159 and (glass near2 ceramic) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2007/10/12 12:01 |